

# POTOMAC VALLEY RADIO CLUB - NEWSLETTER - JANUARY 2000

## PVRC CALENDAR

(The calendar format is under construction  
... including more contest info.)

Weekly	Wed	BWI Regional weekly breakfast. Wednesdays 7:30 am, Basil's Deli, Elkridge Landing Rd near BWI.
Monthly		Over-the-Hill Luncheon. Date to be announced. Hosts listed on reference page.
Jan 5		ARRL 160 Meter CW Contest log deadline. <a href="mailto:[email protected]">[email protected]</a>
Jan 6	Thu	PVRC/NC meeting at Ryans Family Restaurant, Cary Crossroads. 5:30pm, meeting at 6pm
Jan 10	Mon	Central meeting
Jan 12		ARRL 10 Meter CW/SSB Contest log deadline. <a href="mailto:[email protected]">[email protected]</a>
Jan 18	Tue	Northwest at Tully's Grill, 1080 W. Patrick St, Frederick, MD at 7:30 pm
Jan 18	Tue	Tidewater Colony. Meeting with VA-DXCC.
Jan 21	Fri	SWVA Western Sizzlin on Orange Ave across from Roanoke Civic Center
Jan 22/23		ARRL VHF Sweepstakes.
Jan 29/30		CQ CW 160M Contest.
Feb 19/20		ARRL CW DX Contest.
Feb 26/27		CQ SSB 160M Contest.

GREETINGS from Brian McGinness, N3OC, President, PVRC, Jan 1, 2000

Hello and Happy New Year to everyone. We survived the millenium change, so we can all focus on contesting again!

My thanks to the membership of PVRC for your confidence in nominating me for the president's position, and I will work hard not to let you down. I felt it would be appropriate to tell those of you that don't know me a little about myself, and share some of my ideas on how we can continue to improve PVRC.

I am 41 years old, and have been a ham for 26 of those years. Most of that time was spent on the VHF bands, so I am a relative newcomer to HF and contesting (since 1993). In real life, I am the engineering manager for Wireless Communications, the Motorola two-way dealer in Arlington Virginia. I am also a volunteer Assistant Fire/Rescue Chief and Paramedic here in Montgomery County.

A long time ago, my good friend Gene W3ZZ (W3BQV at the time) took a long shot and invited a teen-aged punk who just got his driver's license to a contest at W4BVV, promising much excitement on 40 meter phone.

That was in the era of paper logs, dupe sheets, voice spotting networks, tape loop CQ machines, tube equipment and of course Tom's big 40 meter antennas. That was the first and only contest

I ever participated in under those conditions, the next contest I was ever to operate in was with a solid state rig, CT to log with, packetcluster, and much smaller antennas!

But I remembered PVRC from that day forward, and when I became seriously interested in HF and contesting, PVRC was the first thing that came to mind. To find myself as president now in such a short time is truly an honor.

I joined PVRC in 1994, and the club sure has come a long way since then. Under the leadership of Rich and Tyler, we find ourselves winning contests again, continuously improving our club score in each contest. So from everyone in PVRC, thanks to both of our recent past presidents for a job well done!

I believe our challenge now is getting our members on the air at the right stations for as many of the major contests as possible. We have more active members than does FRC, so I am convinced if we work hard at it we can become even more competitive in the upcoming year.

OK, so what can we do to improve our club scores?

First, we need to work harder to place operators who don't have stations, or who have smaller stations, somewhere where they can operate to a maximum score. We will be looking to the regional coordinators to help out here, and touch base with all their members before each major contest and see if they can assist them find somewhere to operate from.

On the same note, I would like someone to volunteer to try to promote and coordinate dxpeditions, and help to place PVRC members who might be interested in a contest expedition with an available slot.

As for the inner workings of PVRC, we are committed to making small changes over the next few months to allow all members to vote for PVRC officers at their October regional meetings. As many of you saw, we actively encouraged anyone interested in holding a PVRC office from any region to run this year, but did not get the changes made in time to extend the actual vote beyond the central region meeting.

Speaking of the inner workings of PVRC, a lot of credit has to go to the guys behind the scene who do an incredible amount of work each month to keep things going. Bob, W2GG, is the man when it comes to keeping our files and papers in order, and still has time to tally all the contest scores and more. Dick, K3DI edits this rag each month and he really could use all of our help in giving him some quality articles to publish, instead of nothing but meeting minutes. Also our thanks to Pete, N4ZR, for administering the 5 million award, which has become an instant hit. Our webmaster and historian, Steve, K3SA, has constructed one of the best ham-radio web sites out there. And lets not forget Dave, WR3L, our treasurer, who has quietly kept the club's finances in

order, on a donation-only basis. And finally a warm welcome to our new vice-president, Jack, K4VV.

I know that I forgot to mention someone, so please don't be offended if I missed you. That's the risk of naming names, but these guys do so much for PVRC and get so little recognition that I had to mention them.

So please, if you have any suggestions, gripes or questions about PVRC (or even about me!) please drop me an email at [\[email protected\]](mailto:[email protected]). Go PVRC!

#### TREASURER'S REPORT by Dave Baugher, WR3L, Treas (12/22/99)

I would like to thank the following for the December donation to PVRC: K3RON, W3UL, K3SW, W3YOZ, WD3A, KO4MR, K4TX, W3AZ, W8ZA, W3INK, W4DM, and N4CW.

I have compiled the accompanying balance sheet of PVRC as of December 22, 1999, for the year of 1999, using summary statements of income and expenses. I also have available full records of income and operating expenses.

1/1/99 checking balance                    \$1610.88

##### Income:

Advertising Newsletter	2,321.54
ARRL Renewals	18.00
Donations	2,465.41
Total Income	4,804.95

##### Expenses:

Awards	499.57
Donations	100.00
Insurance	325.00
Newsletter	3,070.99
Subscription	50.00
Trophies	200.00
Total Expenses	4,245.56

12/22/99 checking balance                    \$2170.27

Net income    \$ 559.39

Our \$559 increase in the treasury is mainly due to lower postage cost of the newsletter and new advertisers. Donations have stayed about the same as last year therefore I am enclosing an envelope if you wish to donate. This is still our largest source of income. This is a donation not dues. It is your choice to support the club monetarily. Although you will stay a full member with or without a donation the money is still needed. Some members donate time, effort, scores, etc. that also make a difference and keep the club operating efficiently.

Remember to send your ARRL renewal to me for club credit. Any comments or questions are welcome, prefer e-mail if possible. Look forward to the coming year as your treasurer.

#### FAR SCHOLARSHIPS ANNOUNCED

The Foundation For Amateur Radio, Inc. plans to administer 73 scholarships for the academic year 2000-2001 in the range of \$500 to \$2,500 to assist license Radio Amateurs. The list includes a \$1000 scholarship on behalf of PVRC.

Applicants may compete to pursue a full-time course of studies beyond HS that have been accepted for enrollment or are enrolled at an accredited university, college, or technical school. There are some geographical or study program restrictions. The PVRC award is restricted to the 48 states with emphasis on contesting experience. Additional information can be obtained by letter or QSL postmarked prior to April 30, 2000 from: FAR Scholarships, PO Box 831, Riverdale, MD 20738.

#### 5 MILLION AWARD WINNERS by Tyler Stewart, K3MM

I want to congratulate the following members who achieved the 5 Million point level during the 1998-99 contest season:

K1HTV	K8OQL	W2GG	N4AF	ND3F	K3RA	W3PP	K3LP
KT4W	K3SV	N4CW	WA4QDM	K3MQH			

Their plaques were either received at the Central Christmas Dinner or have been mailed to them (Tnx WR3L!).

In addition, we now have 7 members who have topped 10 Million points! These members have or will receive an endorsement plate to attach to their original plaque from last year.

K3MM	K3ZO	W4MYA	KE3Q
N3OC	K4MA	W9LT	N4RV

Note that this year's plaques are predrilled at the bottom for the endorsement plate. However, the original 10 from last year are not. I'm sending out a couple of mounting screws with the plates, but these plaques will have to have holes drilled in them for the endorsement plate. If you would like to have the award shop attach the plate for you, I will make arrangements for you to send it in for installation.

If anyone does not receive their hardware within the next week or so, please contact me by email or phone.

#### 5M AWARDS DATA HICCUP by Pete Smith, K4ZR

Tyler, K3MM, Bob, W2GG, and I have just discovered a hiccup in the way we have been tracking 5M scores. Hopefully, it will affect only a few of you, but here it is, with a real example:

KE3Q operates from W3LPL, using W3AO's call-sign. Because of the way we've been keeping records, we knew that KE3Q should get the operator points, but we missed W3LPL's host points, assigning them instead to W3AO. Since W3AO isn't a PVRC member, they went into the great bit-bucket in the sky.

If you operated under these circumstances in the last 2 years, and you want your host to get the points, please let me know the particulars ASAP, and I will recalculate as necessary. For the future, if you operate from a station that is neither yours nor under the call you used, please let Bob know so he can include that fact in his score reporting.

NW Regional Meeting Minutes - November 16, 1999  
By Greg Altig, N5OKR ([\[email protected\]](mailto:[email protected]))

In attendance were members W8ZA, N3KTV, K3DNE, W3JRY, WD3A, N3HBX, K3IXD, W6NRJ, and N8II.

First, thanks to N3KTV for his filling in for me in my absence and providing these notes.

K3DNE, Jim, recently upgraded to Advanced! Was at W8ZA for CQ WW and had lots of fun. He will be at W8ZA for SS SSB. He is putting up a new A3WS on a rocket launcher at home. Hopes to work the meteors shower tonight and tomorrow. He is working 6meters and looking for F2 propagation.

W3JRY, John, was the only representative from PA tonight. Operated part-time in recent contest. (100K in CQ WW) Put up a beam and tower recently. Has worked 220 countries recently.

N3HBX, John, operated CQWW HP 15meters only. Reports his worst effort ever! Lost the antenna relay on the tower half way into the contest. Also, his amp relay was stuck on transmit so he used his backup amp.

K3IXD, Ed, put up an inverted V for SS SSB this weekend. 460K for CQ WW. Has been operating the VHF/UHF Fall Sprints. Having fun with the new ICOM 746.

W8ZA, Bob, worked CQWW M/M from home. Reports 5.36M points with a bad 10meter beam. Solution to last months puzzle was: The coax pig tail had parted away from the connector on the 20meter beam and the balun on 10meters had a loose screw on one side. This was the first time for M/M from W8ZA. Used the W3NQN filters and found they worked great! Sometimes the team forgot to change the filters when they changed bands. They remembered right before they started to replace the radio! Bob also reports 28K for part time SS CW. K3DNE will be at W8ZA for SS SSB. Bob is looking for operators for CQWW CW! Bob added that K8OQL is quarantined with the chicken pox.

N8II, Jeff, missed SS CW. Was on for CQWW SSB part time. Operated

all band. Reports 2700 Qs, 115Zones, 426Cty for 4.29M. Great Job!

WD3A, Tom, played in SS CW (8K). Tom was at W8ZA for CQWW SSB. Started out on the tower for Bob! Bob did let him operate 20m after that though. Reports having fun getting bumped around on 20 by all the big M/M. Loves his new 850.

W6NRJ, Jim, is looking for ELMER help to get up on packet to access the spotting network. Also needs help hooking up his computer for logging. He operated last at K1DQV and had lots of fun.

N3KTV, Jim, has been operating some DX over the past few weeks. More time has been spent resurrecting an old R5 and trying out the MFJ-259B. Meeting adjourned.

11/5/99 PVRC/NC Meeting Minutes by Pete Soper, KS4XG  
(Eliminated outdated & shortened. -ed)

The meeting was at the home of Jack W0UCE and his wife Fran in Raleigh from 5:30-8pm. The food was delicious and a good time was had by all. Attendees: Brian K3KO, Jim K4QPL, Henry K4TMC, Pete KS4XG, Dan N3ND, Bert N4CW, Jay NT4D, Jack W0UCE

This was the second meeting of Dan Atchison, N3ND, an avid CW operator looking for a way to get back into contesting despite property restrictions at his current QTH (a little extra wiring may be appearing in his attic!). Dan was voted in bringing membership to 33.

K4QPL put 30 feet of Rohn 25 up temporarily to get a TH7 up for Sweeps. K4TMC came back from a long hard business trip with a virus and missed CQWW. K3KO found a source of high quality (albeit low power) relays - contact him for details.

W0UCE had a log periodic in view of his kitchen window during the meeting. Jack and K4QPL will be doing joint tower projects soon to have their base holes dug and concrete poured at their two sites in a single day. N4CW got an SB200 for his station in Maine.

12/2/99 PVRC/NC Meeting Minutes by Pete Soper, KS4XG  
(Shorten by editor)

The meeting was at Ryans Family Restaurant in Cary from 5:30-7:30pm. Attendees were Will AA4NC, Guy K2AV, Brian K3KO, Jim K4QPL, Pete KS4XG, Jim N3QYE, Bert N4CW, Jeff NX9T, Jack W0UCE, and Gary W2CS. Chapter membership remains at 33.

N4CW introduced Guy K2AV as the new chapter chairman. K2AV recognized the K4MA for his influence as chairman and world class contester during the previous year.

It was was unanimously approved that future meetings would be:  
Sept through April will be first Thursday of the month at Ryans.

May meeting will be at a nicer restaurant in conjunction with one or more special interest programs and a previous contest season review.

June, July and August will be no set schedule.

KS4XG proposed having a table or two at the Raleigh (RARS) hamfest in April with some promotional materials like a "Work DXCC in a single Weekend" banner. N3QYE and K4TMC had proposed creation of a video and N3QYE said he has access to video mixing equipment. The general idea for the video is to collect "video visits" to the area stations. AA4NC described how FRC does this, with titles that make the video meaningful without sound. Will also proposed having a contest simulator running at the tables. It was resolved to give PVRC a presence at the hamfest.

N4CW described the S5-7 line noise that is now a permanent part of his home station in Raleigh. Bert took part in Sweeps from home anyway and also operated the AA4NC station with callsign W4MR during CQWW/CW for a new personal best score in that contest.

W2CS described his QRP efforts, restating how difficult a phone QRP effort is with low wire antennas though his Sweeps CW effort is likely to be a top ten finish. KS4XG got his first taste of real multiop action for a few hours at the AA4NC station for phone Sweeps.

NX9T joined K4HA at Bob's station for CQWW/SSB and despite constant line noise at his apartment he got on for the CW test with a G5RV and TS830. Jeff's station is still packed up, waiting for completion of a new house in Spring.

W0UCE said we'll never find him in a phone contest. Jack only had a Windom up but got on for a couple hundred contacts during CQWW/CW. He's preparing a vertical and will be joined by N4CW and N3ND for an effort in the ARRL 160 contest.

N3QYE started to say something when somebody said "How about that 'State!'" The group gave a round of applause to celebrate the outstanding effort of Jim and Kemp KF4ARS in the collegiate Sweeps championship. Jim described the 40 meter wire beam that he built with KO4PY and the long hard effort to find and eliminate QRN from the electrical engineering building in time for the contests.

K2AV soldiered through the Sweeps phone contest with an FT101ZD as he'd left his MP at N4AF. Guy described the multisingle effort with N4AF that generated over 7 mil for CQWW/CW. Guy said the three element 40m quad fixed on Europe was a killer antenna, giving them over 1000 Qs on that band and a rate near 100/hr at the end of the contest. There followed a side splitting description of the "N4AF exploding balun adventure" although all agreed that Howie probably wasn't doing much laughing as he made repairs on his tower, at night and in the rain during the test.

K4QPL put up 30 feet of Rohn 25 with a TH7 just in time for CW Sweeps and nipping out his LP rival Will WJ9B by two QSOs. Jim

and Jack plan to share tower building efforts with back hoe and concrete work at each station.

K3KO said he was 1.5 million points ahead of his contest production at the same point last season. Brian had a new personal high score for CQWW/CW with "4 band DXCC". His new tower and 40m beam worked extremely well.

AA4NC summarized his contest efforts, with the CQWW phone multiop, single op Sweeps CW effort and multiop Sweeps phone efforts at his station with the W4MR callsign. For CQWW/CW Will had plans that fell through with little warning and accepted an invitation from K3LR to take part in the multimulti effort there. Will described the K3LR station and the very high performance setup he used on 40 meters. The very narrow bandpass filters that allowed the run and mult station to get within 25khz of each other were particularly impressive. Will also provided some analysis of Sweeps from a geographic perspective and described strengths and weaknesses of various parts of the country with the sunspots favoring the West.

The next meeting will be at Ryans Family Restaurant at Cary Crossroads on Thursday January 6th. Come at 5:30pm for extra rag chewing or 6pm for the formal meeting (which lasts about 10 minutes before we get back to rag chewing!)

SOUTHWEST VIRGINIA MINUTES Nov 5, 1999 by Mike Barts, N4GU  
(Outdated text removed. -editor)

Meeting location was Shoney's restaurant, Rt. 460 in Salem, VA. The meeting was called to order at 23:46:15Z, according to some clockwatchers. In attendance were Buddy, W4YE; Nat, N4EL; Anthony, KR4UG; John, K4IQ; Jerry, K1SO; and Mike, N4GU.

Primary topic of conversation was the recent CQWW phone contest. All members present participated and contributed to the club score. John, K4IQ, used the contest primarily to perform A/B testing on a TS870 and FT1000MP.

Nat, N4EL, was very happy with his CQWW results using the newly installed 30' house bracketed tower and TH-2 he bought from N4GU. His score this year was about ten times last year's with the all dipole setup. His new setup should also provide improvements for the other contests as well. Nat also related tales of some enthusiastic younger ops at the Virginia Tech Amateur Radio Club, K4KDJ, who got their first taste of DXing during CQWW. There may be some potential new contesters in that group.

Buddy, W4YE, operated only the high bands and managed 735k points. Jerry, K1SO, is still trying to figure out the scoring scheme to compute his score.

Anthony, KU4RG, and his XYL of three weeks, Shilynn, KF4OKG (also a PVRC'er) teamed up for a multi-single effort with Shilynn making most of the QSOs. Congratulations to the newlyweds and we look forward to many more multi-single efforts from these two.

Mike, N4GU, put his new antenna garden to the test and made 1200 Qs and scored 1.5 mil in CQWW, both a personal best. K4IQ is going to do some tower work November 13 and requested help for the ground crew.

There was a discussion about the increasing requirement for computer logging and electronic log submissions with W4YE arguing that it discourages participation by both older and newer casual ops who are not computer savvy.

#### SWVA PVRC Holiday Party/Meeting Minutes by John Mitchell, K4IQ

The SWVA PVRC Chapter had their annual Holiday gathering and meeting on December 16, at the Steak and Ale Restaurant in Roanoke, VA. Attending were Buddy, W4YE, with XYL, Gordon, K1GG, Anthony, KU4RG, Mike, N4GU, Jerry, K1SO, John, W4JAM, with Susanne, W0MAN, John K4IQ, with XYL and harmonics.

During the meal, members passed around photos of recent gatherings and antenna projects and caught up on small talk. The meeting portion featured a recap of the Fall contesting season. Mike, N4GU had a super WW phone effort, then was disappointed to lose out to the Flu bug for the 10 Meter contest. Buddy, W4YE had a good effort in the CW SS, and is determined to automate his station logging for the year 2000. He is going to receive some tutoring on the NA logging program so he can be even more competitive. (Buddy usually does as well or better than the rest of us with paper logging, so we await the birth of a monster when he becomes digitized.) John, W4JAM, got the concrete base set for his Rohn 55 tower this month, and plans to go up to 70 feet very soon. John, K4IQ, passed around pictures of his new 80M rotatable dipole (Force 12 linear-loaded) at the top of his ridgetop tower, and gave a recap of the December 13th Central Holiday gathering he attended. Gordon, K1GG, expressed a great deal of interest in the performance, since he has room at the top of his 150 foot tower for one of these. Gordon had a super effort in Phone SS, with over 1300 qso's, single op unassisted. Jerry, K1SO, got in for part time efforts in the recent tests and told us about his IOTA effort from Cape Hatteras with a group of guys in October.

Everyone talked about membership and agreed to contact some of the members who had not been heard from for awhile. The meeting formally adjourned and we agreed to meet again on January 21 at the Western Sizzlin on Orange Ave., across from the Roanoke Civic Center.

#### SHORT NOTES FROM/VIA THE EDITOR

Dave, WR3L lets us know he will hold a North/East meeting at the Timonium Mini-Fest at the Timonium Fair Grounds 7PM on January 19, 2000. The Mini-Fest is open to anyone, at no charge that wishes to set up a table. The times are from 5 -10 PM and sponsored by Baltimore Amateur Radio Club. Hope to have some new members for the club after

the meeting.

N3OC expressed congrats to Jim, K3SW, who probably doesn't even know it, but he is on the front cover of FUNK Amateur - Das Magazin fur Funk Elektronic - Computer. The V26B group got a writeup in this magazine, and Jim ended up on the front cover! See: [www.funkamateuer.de](http://www.funkamateuer.de)

N4MM had 52 QSOs in the Croatian CW Contest and went and went single band 28 MHz in the RAC Winter Contest for 128 QSOs.

S C O R E S      by Bob Dannals, W2GG

Changes/additions/deletions to [\[email protected\]](mailto:[email protected]), or via packet.

Of greatest importance, you must also send specific summary and log information to ARRL or CQ, as appropriate, for PVRC to get credit!

Missing info is denoted by ###.

ARRL VHF SS FINAL RESULTS (#7 10/4/99)

CALL      BND    QSO    MULTS      TOTAL

SINGLE OPERATOR

K3DNE	6	488	165	122,430
K2UOP/8	#	393	147	89,376
K3ZO	2	318	84	26,712
N3II	2	216	54	11,664
K4SO	2	125	37	4,625
KC4B	2	86	29	2,494
N4MM	#	43	24	1,032
K3DI	1	9	1	9

ROVER

ND3F	#	572	159	190,000
W3CQH	5	107	39	5,187

MULTI-OP

K8GP	13	1809	414	1,114,902
K3MQH	#	####	##	798,000
W3YOZ	4	297	109	39,022

13 LOGS      TOTAL      2,405,453

Last Year      Entries      Total \* UNLIMITED CATEGORY \*

Club participation new in 1999

\* MEDIUM CATEGORY \*

Club participation new in 1999

Operators:

K3MQH	K3MM	W3EKT	W3SST	K3RA	W2GG
	AI3M	N3EYB	K3VQ	K3SUI	K3MQH
K8GP	K1RA	K1TR	K1HTV	KA1TB	W3ZZ
	W4XP	K6LEW	K8ISK	Mandi	
ND3F	ND3F	KC3VO			

W3CQH W3CQH K3JAY  
W3YOZ WR3Z KA3EJJ K4VV WX3B

CQWW DX SSB (FINAL 12/08/99)  
CALL BND QSO ZON CTY TOTAL  
SINGLE OP HIGH POWER - UNASSISTED

K3ZO	3778	135	452	6,427,650	
K4ZW	3164	148	516	6,072,280	
N8II	2705	127	418	4,286,970	
KS4XG	1889	115	377	2,646,468	
W3MR	1489	118	369	2,090,691	
K2PLF	1327	116	357	1,774,233	
N4GU	1201	111	347	1,556,742	
N4MM	930	123	366	1,289,982	
K2UOP	964	115	351	1,272,180	
W3HVQ	907	114	350	1,200,000	
AJ3M	831	102	292	910,928	
W4YE	785	81	247	735,048	
N3HBX	15	1138	38	145	592,554
N3RC	760	63	199	575,352	
KF3BE	540	81	242	474,487	
K3ZJ/8	10	985	31	111	406,688
W3AZ	402	28	94	140,910	
W4IF	244	52	128	125,640	
WX4DX	237	59	126	113,775	
W4VC	238	42	120	107,730	
N4CW	175	47	113	79,840	
K4IQ	166	48	114	69,336	
K2AV	123	41	90	44,016	
W4ZYT	115	17	57	24,864	
W3GN	55	14	22	5,328	

SINGLE OP LOW POWER - UNASSISTED

N1WR	1140	108	329	1,426,805	
W3UJ	813	91	264	822,435	
NV3V	598	85	240	550,800	
NV3V	598	84	238	547,000	
K1EFI	480	48	173	302,549	
N4MO	15	668	35	121	300,924
W4NF	419	39	128	205,744	
N3YUG	304	57	162	185,712	
N4EL	311	53	156	183,084	
W3INK	343	37	121	153,418	
W3CP	287	53	134	151,470	
KC3TL	240	64	144	136,268	
W4SD	240	52	131	123,525	
K3DSP	242	52	125	116,997	
W3JRL	202	52	129	100,817	
AF4CD	197	52	112	80,196	
AA4KD	177	45	109	71,456	
W3XG	109	36	78	34,770	
N3EYB	134	16	53	25,668	
W4XXX	101	25	62	22,272	
N3QYE	96	30	50	21,200	

SINGLE OP ASSISTED

N3RR	2900	161	593	6,261,970	
KT4W	2235	155	501	4,208,085	
WR3Z	1865	145	462	3,257,162	
N3AM	1504	134	438	2,473,328	
W4JVN	1117	125	374	1,588,317	
KB3AUG	990	117	388	1,421,070	
K3KO	940	118	337	1,201,200	
NT4D	828	126	375	1,138,773	
K3SA	572	100	316	682,656	
K3SV	546	107	303	608,850	
N3II	558	95	295	608,400	
K3IXD	486	94	249	461,335	
N3GPU	524	74	208	418,206	
N3UN	420	90	242	394,084	
W3EKT	403	72	205	310,794	
K6IR	356	69	178	259,350	
K3SX	265	##	###	161,993	
N4ZR	220	66	144	128,520	
KO4MR	10	217	34	138	106,468
KC4B		121	29	72	35,148

MULTI - SINGLE

W4MR	2715	147	500	5,029,131
K4HA	1255	119	353	1,682,680
K3DI	839	98	332	1,019,960
KU4RG	403	77	209	305,448
W4PRO	296	59	108	144,622

MULTI - MULTI

W3LPL	8743	193	795	23,946,156
W4MYA	4578	177	668	10,898,810
W8ZA	2674	160	543	5,364,593

DXPEDITIONS

J6R	7255	131	440	10,501,261
KH7R				3,060,610
PJ4B				10,592,276
V26B				3,303,818

-----  
78 LOGS TOTAL 140,161,876

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*  
LAST YEAR (SSB & CW)  
Yankee Clipper C C 460,442,158  
Frankford R C 432,136,542  
Potomac Valley R C 194,995,771  
\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

OPERATORS:

J6R J69AZ K3LP K3UG K7KL N3NT VE7ABC  
K3DI W3ICM K3DI  
K4HA NX9T K4HA  
KH7R ND3A plus 11 non-PVRC  
KS4XG from QTH of N4AF

KT4W from QTH of N4RV  
 KU4RG KU4RG KF4OKG  
 PJ4B N4RV W3ZZ plus 10 non-PVRC  
 V26B N3OC plus 10 non-PVRC  
 W3LPL K1HTV AI3M W3KX ND3F K3NA N5OKR  
       W2GG KE3Q K9GY K1RA K3MM K3RA  
       K3MQH K1RZ NH6C W4XP W3LPL  
 W4MR AA4NC K17WX N4CW K4MA  
 W4MYA AC4OB N4EHJ K4BAM K4WMA KB4DI KF4QQY  
       W4DR W4HJ W4HZ W4MYA WA4QDM  
       WK4Y WU4G WX3B  
 W4PRO KO4MR W4PRO  
 W4XXX N8CH (ex-NW3K)  
 W8ZA K3DNE K8OQL WD3A W8ZA  
 WR3Z from QTH of K1DQV

ARRL CW SS (#11 FINAL? 12/09/99)

CALL	PREC	QSO	SEC	TOTAL
W3PP	M	1205	79	190,390
W4MR	B	1159	78	180,804
N4AF	B	1153	77	177,562
K3ZO	B	1139	77	175,406
W4MYA	U	1081	79	170,178
W4RM	M	1004	78	156,624
N4ZR	B	989	78	154,284
K2PLF	B	988	78	154,128
K3SV	B	925	78	144,144
K3MM	B	948	76	144,096
N4CW	B	883	78	137,748
K3SA	B	837	79	132,246
WR3L	M	820	79	129,560
K1HTV	A	833	76	128,282
W4ATC	S	818	78	125,580
K4QPL	A	815	77	125,510
WJ9B	A	813	77	125,202
W3HVQ	B	784	78	122,304
W4YE	A	774	78	120,744
K4MA	A	770	78	120,120
K3DI	U	749	79	118,342
K2AV	B	758	76	115,216
K3KO	B	738	78	115,128
W2CS	Q	717	79	113,286
WR3Z	B	716	78	111,696
W4ZYT	M	701	79	110,758
N3AM	B	702	76	106,704
K4IQ	A	676	77	104,104
K3TM	A	684	76	103,968
N1WR	A	662	78	103,272
W3MC	B	607	79	95,748
NC3Y	A	641	71	91,022
NT4D	U	572	78	89,232
K4BAM	B	542	76	82,384
N3OC	A	500	79	79,000
NY3M	A	500	77	77,000
W3UJ	A	505	75	75,750

K3AN	Q	453	74	67,044
N3II	A	426	78	66,456
W3CB	A	408	75	61,200
W3AZ	B	410	71	58,220
WD3P	Q	415	68	56,440
WA4QDM	U	358	78	55,848
W3CP	A	380	73	55,480
W3KX	A	350	75	52,500
K4PB	U	341	73	49,786
W2GG	A	325	72	46,800
W8ZA	B	200	72	28,800
N3GM	Q	201	71	28,542
N3WK	Q	200	66	26,400
N4MM	A	174	75	26,100
N4GU	A	187	60	22,440
KI7WX	A	190	59	22,420
K4HA	A	175	62	21,700
N3HUV	U	109	75	16,350
W3DAD	A	128	50	12,800
W3GN	B	99	49	9,702
WD3A	A	89	45	8,010
W4IF	B	80	42	6,720
K4VV/4	A	41	26	2,132
N4EL	A	36	24	1,728

-----  
 61 LOGS            TOTAL 5,411,140  
 -----

\*\* SPECIAL OPERATIONS (by KE3Q)\*\*  
 WP3R    B 1481 79    233,000

Operator list:

W3PP	W3PP	N4MO	NW3Y
W4ATC	KF4ARS	NA4G	KO4PY
W4MR	AA4NC		
W4RM	W4RM	W4NF	W4CE
W4ZYT	W4ZYT	W4SD	KC4VZK
		AF4CD	KU4EC
	N8CH	KF4ZAD	
WR3L	K3FT	AA3SC	WR3L

LAST YEAR - UNLIMITED CATEGORY

	logs	Total	CW & SSB
Potomac V R C	149	11,953	728
Northern Ca C C	103	9,742	508
Soc Midwest Con	76	6,624	648
Yankee Clip C C	82	5,554	448

ARRL PH SS (#10 12/23/99)

CALL	PREC	QSO	SEC	TOTAL
K3MM	B	1643	79	259,594
W4MR	M	1635	79	258,330
W4MYA	U	1579	79	249,482
W2GG	B	1527	79	241,266

K3ZO	B	1499	79	236,684
K1GG	B	1335	79	210,930
K2PLF	B	1314	79	207,612
W3PP	B	1295	79	204,610
K4MA	B	1279	79	202,082
N8II	B	1277	79	201,766
W4ATC	M	1231	79	194,498
N4AF	B	1101	79	173,958
N3HBX	B	1142	74	171,300
N2QT	U	1078	79	170,324
K3SW	M	1061	79	167,480
WR3L	M	1026	79	162,108
W8ZA	B	1006	79	158,948
KY3ORK	B	971	79	153,418
K1HTV	A	950	79	150,100
N3KW	U	936	79	147,888
K4IQ	B	901	79	142,358
N4CW	B	855	79	135,090
W3HVO	B	836	79	132,088
W4RM	U	829	79	130,982
N1WR	A	737	79	116,646
K3SA	B	730	79	115,340
K3DI	U	716	79	113,128
N4GU	B	702	79	110,916
W3UJ	A	639	79	100,962
K1RZ	B	575	75	86,250
AJ3M	U	531	79	83,898
KF3BE	B	508	79	80,264
K4QPL	A	500	79	79,000
N3II	A	500	79	79,000
N4MO	A	500	76	76,000
W4YE	A	462	79	72,996
K2UOP	B	423	77	65,142
N4ZR	B	439	74	64,972
W2CS	Q	409	79	64,622
N3HUV	U	401	79	63,358
W4PRO	Q	405	77	62,370
K4YT	A	###	##	60,672
W3YD	U	344	79	54,352
N3RC	U	343	78	53,508
N4MM	A	333	79	52,614
AA4KD	A	345	76	52,440
N3YUG	A	344	76	52,288
K3SV	U	301	79	47,558
N3AM	B	313	74	46,324
K3KO	B	300	75	45,000
WD3A	A	301	74	44,548
NT4D	U	280	79	44,250
K2AV	B	324	67	43,416
K3IXD	U	275	75	41,250
K3DSP	A	271	74	40,108
K3HH	A	250	77	38,500
N3EYB	A	245	74	36,260
W3ZZ	#	233	76	35,416
W3INK	B	250	69	34,500

WA4QDM	U	214	79	33,812
N4EL	A	228	73	33,288
W3CP	A	223	72	32,112
W4VC	A	218	73	31,828
K4VV	B	191	67	25,594
W3DAD	A	138	63	17,388
K4BAM	B	134	58	15,444
W4SD	B	105	54	11,340
W4ZYT	A	115	47	10,810
W3GN	B	53	29	3,074

- - - - -  
 69 LOGS            TOTAL 6,935,454  
 - - - - -

\*\* SPECIAL OPERATIONS by KE3Q \*\*  
 WP3R    B 3 669 79    421,702

Operator list:

K3SW	K3SW N3DMJ
KY3ORK	KC3TL
W2GG	at W3LPL QTH
W4ATC	N3QYE KF4ARS
W4MR	KI7WX AA4NC K4HA NX9T KS4XG
W8ZA	K3DNE
WR3L	AA3SC K3FT N3WJA WR3L

- - - - -  
 62 LOGS - CW        5,548,916  
 69 LOGS - PH        6,935,454  
 GRAND TOTAL: 12,484,370  
 - - - - -

LAST YEAR - UNLIMITED CATEGORY  
 logs Total CW & SSB

Potomac V R C	149	11,953,728
Northern Ca C C	103	9,742,508
Soc Midwest Con	76	6,624,648
Yankee Clip C C	82	5,554,448

CQWW DX CW (#6 12/23/99)  
 CALL    BND QSO ZON CTY    TOTAL  
 SINGLE OP HIGH POWER - UNASSISTED

K3ZO	3773	143 427	6,289,950
K4ZW	3390	151 457	6,025,280
W3MC	2607	139 435	4,359,530
N4ZR	2601	130 394	3,981,876
W4MR	2316	133 426	3,792,815
K2PLF	1667	133 389	2,511,342
W4YE	1147	116 361	1,562,652
K2UOP	869	109 318	1,061,552
W3AZ	820	105 310	992,265
N3JT	826	92 276	873,632
N4MM	681	115 322	849,528
KT3Y	40	1708 35 122	770,000

W9LT	10	1320	34	113	567,861
K4VV		534	87	230	477,719
W4ZYT		453	85	232	412,417
W4IF		385	67	177	271,816
K4YT		280	77	158	168,965
W4VC		295	51	148	166,762
K4TX	40	516	22	83	155,505
W3GN	10	369	31	88	119,952
W3CP	10	330	30	95	119,215
W3OU		144	70	122	77,568
K4UX		###	73	116	69,164
K4MA		92	31	48	19,513

SINGLE OP LOW POWER - UNASSISTED

N1WR		1073	108	348	1,410,408
NY3M		743	101	302	844,285
W3DAD		604	75	231	532,746
N4MO	15	1124	35	120	508,400
K4QPL		498	65	186	364,452
K4HA		350	55	185	253,500
W4SD		264	61	165	168,596
W3CP	10	330	30	95	119,215
WJ9B	40	417	22	82	107,952
NX9T		128	42	89	43,623
NV3V		71	34	60	16,262

SINGLE OP QRP - UNASSISTED

WD3P		207	45	131	103,136
------	--	-----	----	-----	---------

SINGLE OP ASSISTED

N3RR		2253	179	589	5,002,752
N3AM		2115	147	499	3,988,404
K3KO		1660	150	488	3,037,518
K3SV		1705	138	444	2,853,546
W3HVQ		1217	128	364	1,729,380
K3DI		982	130	431	1,569,666
K3SA		907	132	411	1,429,176
W3UJ		703	100	306	824,586
K4PB		620	121	322	769,934
W3OU		721	95	272	753,451
W3EKT		587	112	309	695,913
N3II		582	90	296	638,058
W3UL		434	92	230	371,266
K3SX		278	90	184	205,500
N3RC		141	51	105	63,024
W4JVN		95	39	66	27,930
N3GPU		96	23	49	20,016

MULTI - SINGLE

N4AF		3730	165	505	7,112,050
N4RV		1977	170	530	3,994,200
W8ZA		1411	155	530	2,801,400
W4PRO		500	129	314	619,757
WX3B		195	44	107	83,956

MULTI - MULTI

W3LPL	9341	212	780	26,458,624
W4MYA	5332	195	698	13,603,069
NR4M	4354	176	556	9,172,692
K3LR	####	###	###	2,881,756

#### DXPEDITIONS

A61AJ	34,900,789
-------	------------

63 LOGS	TOTAL	165,777,867
63 LOGS	- CW	165,777,867
78 LOGS	- SSB	140,161,876
GRAND TOTAL:		305,939,743

\* \* \* \* \*

LAST YEAR (SSB & CW)

Yankee Clipper C C	460,442,158
Frankford R C	432,136,542
Potomac Valley R C	194,995,771

\* \* \* \* \*

#### OPERATORS:

A61AJ	K3RA KE3Q W3UR A61AJ et al.
K3LR	AA4NC plus 8 others
N4AF	K2AV N4AF
N4RV	N4RV KT4W
NR4M	NR4M K7SV K4EC K1SE K4EU
	WA4JUK K4GMH
W3LPL	AI3M W3LPL N3OC N4QQ W2GG ND3A
	K3LP WR3Z K9GY K3RV KD4D K3MM
W4MR	N4CW at AA4NC QTH
W4MYA	K4GAU K4WMA N0NM W4HJ W4HZ
	WA4QDM WK4Y WU4G W4MYA
W4PRO	WB4DNL AF4CD W4PRO
W8ZA	K8OQL N8II W8ZA
W9LT	from K3ZJ QTH
WX3B	WX3B N3SL

#### ARRL 160 CONTEST RESULTS (#6 12/23/99)

CALL	QSO	SEC	DX	TOTAL
** SINGLE OP HIGH POWER				
W4MYA	1168	74	29	272,744
W9LT	1057	73	21	253,240
N4AF	937	70	30	206,300
K3SV	952	73	23	197,184
K8OQL	722	68	15	125,579
K2UOP	603	61	14	95,858
W3GN	516	64	3	69,747
N3AM	311	50	6	36,008
K3ZO	321	57	2	38,232
N3HUV	340	46	0	31,418
N3NT	305	47	3	30,950
W4HM	190	46	0	17,618
K4VV	148	42	0	12,432

K4UX	123	45	1	11,316
W3PP	119	32	6	10,070
W4HJ	59	28	3	3,937

\*\* SINGLE OP LOW POWER

WJ9B	584	61	10	85,910
N1WR	422	53	3	47,768
W4YE	242	53		36,570
K3SA	260	45	4	26,362
W3CP	270	50	0	27,450
W2GG	219	52	2	23,976
W8ZA	213	44	1	19,305
N4MM	175	50	0	17,950
WD3A	175	41	0	14,350
NV3V	180	37	0	13,320
K4YT	###	##	#	12,960
K3DI	160	37	0	11,840
N3UN	156	36	0	11,232
W3UL	119	36	0	8,568
N3II	113	32	1	7,557

\*\* SINGLE OP QRP POWER

WK3I	160	72	0	72,360
------	-----	----	---	--------

\*\* MULTIOP

K4IQ	844	73	13	152,736
W4MR	642	69	6	102,726
K3KO	640	69	9	102,648
K4HA	542	63	12	87,375
N4RV	302	69	17	57,878
K4PB	339	63	5	47,532
K4ZW	316	46	14	40,980
WA4QDM	320	47	0	30,080
N3RC	123	41	1	10,458

41 LOGS        TOTAL    2,482,524

-----  
LAST YEAR - 1998

-----  
logs        score  
P V R C        41    2,388,274  
S Midwest Con    15    1,506,794  
FRANKFORD R C    22    1,180,986  
YANKEE CLIPP C C    7    852,374

-----  
Operators (single op plus packet  
unless listed otherwise):  
K4HA        K4HA K4MA AA4NC  
W4MR        K4HA K4MA AA4NC

Guest ops:  
W9LT        at QTH of W8LRL

ARRL 10m CONTEST (#6 - 12/23)  
CALL    QSO'S    STS    DX        TOTAL

SINGLE OP HIGH POWER - MIXED

W4MYA	2540	112	146	1,965,444
K3ZO	2368	112	131	1,765,638
N3OC	2082	108	140	1,623,904
K2UOP	1197	(229)		818,914
K4VV	1101	101	119	643,720
K4YT	948	105	129	570,960
N3NT	422	(165)		232,650
K2AV	404	93	55	209,864
N4ZR	377	57	58	127,880
W3OU	191	37	61	43,708

SINGLE OP LOW POWER - MIXED

K4MA	1603	114	123	1,177,890
W3UJ	607	82	105	376,618
W3KX	429	59	63	200,324
K3DSP	427	50	67	101,088
W3UL	254	47	50	90,986
W3DQ	313	48	71	85,918
K3HH	277	##	##	77,928
W4SD	205	40	55	70,110
K4HA	197	46	41	61,074
W4XP	182	35	45	32,960
K1RZ	141	35	44	31,442

SINGLE OP QRP POWER - MIXED

SINGLE OP HIGH POWER - PHONE

N3HBX	1610	58	102	515,200
W4HJ	1336	57	71	342,016
K1O	1105	(126)		278,450
N4MM	877	(156)		273,624
KB3AUG	893	58	90	262,542
W3INK	501	46	56	102,204
KF3BE	382	44	48	70,288
K3IXD	282	27	76	58,092
W3JRY	125	22	34	14,000
N3KTV	106	28	22	10,600

SINGLE OP LOW POWER - PHONE

K4TMC	644	(117)		150,696
K3DNE	485	49	68	113,490
AJ3M	424	(94)		79,712
NX9T	216	26	46	31,104
N3EYB	83	22	14	5,976

SINGLE OP HIGH POWER - CW

N4AF	1609	61	84	917,560
WU4G	1077	(126)		543,816
K2PLF	1102	56	67	542,676
N4CW	1074	(117)		502,632
W3GN	964	57	63	464,640
K8OQL	805	56	66	393,328
W4ZYT	325	48	48	124,800
W4HM	160	(65)		41,600

K1GG	131	47	1	12,720
K4UX	20	(19)		1,520

SINGLE OP LOW POWER - CW

N8II	1199	57	74	629,324
WJ9B	902	55	69	447,392
W3CB	713	(112)		321,644
W4YE	580	54	61	268,180
W3CP	391	(109)		170,912
WD3A	250	(105)		105,000
AA4KD	270	41	37	84,864
W3DAD	204	42	32	60,680
R3/K3NA	5	0	3	60

SINGLE OP QRP POWER - CW

K3SV	502	(107)		216,140
WD3P	126	(52)		60,096

MULTI OP

K3MM	3254	117	201	3,281,760
W3PP	3004	(305)		2,694,370
W4MR	2344	114	179	2,089,090
K1SE	2298	(277)		2,022,654
WR3L	1150	94	146	842,400
K3KO	1003	85	132	808,542
K3SA	1116	72	114	786,780
WA4QDM	661	97	118	442,040
K4PB	517	53	62	239,200
N3AM	452	44	97	232,650
K3DI	188	48	53	60,096
W4ATC	237	39	45	39,816
W4JVN	209	29	60	37,202
N3RC	95	24	36	23,040

71 LOGS                    TOTAL 32,126,238

-----  
LAST YEAR - 1998

-----  
P V R C                    31,071,538  
FLA CONTEST                13,###,###  
FRANKFORD R C            11,781,376  
YANKEE CLIPPER C C       11,743,520

-----  
Multiop operators:

Single op plus packet unless  
indicated below.

K1SE	K1SE	K4EU	K4ZW
K3MM	K3MM	W2GG	
W3PP	W3PP	N4MO	N3KW
W4ATC	N3QYE	KG4FMF	
W4MR	N4CW	KS4XG	AA4NC
WR3L	K3FT	AA3SC	WR3L

Guest op:

K1O      KC3TL op  
K3MM     at W3LPL QTH  
NX9T     at K4HA QTH  
W4MR     at AA4NC QTH

PLEASE SUPPORT OUR ADVERTISERS, THEY SUPPORT PVRC ! editor

-----  
THE R.F. CONNECTION

"Specialist in RF Connection and Coax"

213 North Frederick Ave  
Suite 11  
Gaithersburg, MD 20877

Tech Support: 301-840-5477  
24-hour FAX: 301-869-3680  
Order line: 800-783-2666

email: [\[email protected\]](mailto:[email protected]).

Please visit us on the web:  
<http://www.therfc.com>

Our catalog includes:  
UHF Series,  
N Series,  
BNC Series,  
Adapters,  
F Series,  
DIN Plugs,  
Portable Radio Power DIN Plugs,  
Hardline Connectors,  
Microphone Connectors,  
FME,  
Reverse Polarity (TNC, N, & SMA),  
and two dozen coax types.

---

REFERENCE PAGE. Please send corrections to the editor.  
Changes during December are underscored. (on paper but not here)

PVRC Officers			
President			
N3OC	Brian McGinness	301-652-6768	<a href="mailto:[email protected]">[email protected]</a>
Vice President			
K4VV	Jack Hammett	703-281-1308	<a href="mailto:[email protected]">[email protected]</a>
Secretary			
W2GG	Bob Dannals	410-472-2004	<a href="mailto:[email protected]">[email protected]</a>
Treasurer			
WR3L	Dave Baugher	410-DX1-WR3L	<a href="mailto:[email protected]">[email protected]</a>
Historian			
K3SA	Steve Affens	301-774-0558	<a href="mailto:[email protected]">[email protected]</a>

PVRC Charter Members:  
W3GRF (SK), W4AAV (SK), W4KFC (SK), N0FFZ (SK),  
W4LUE, W7YS, VP2VI (W0DX), W3IKN, W4KFT.

PacketCluster Contest/DX System, MHz:  
W3LPL Glenwood MD 145.590 441.250  
KE3Q Bowie MD 145.570 445.375  
WR3L Baltimore MD 145.610 440.950  
N3RR Rockville MD 145.510 441.325  
K3SKE Frederick MD 144.930  
N4OHE Mt. Weather VA 145.710 440.925  
NE3H Harrisburg PA 144.970  
K3MQH S Mountain PA 145.630  
N4SR Woodbridge VA 145.630 \*  
K4FJ Mt. Vernon VA 145.770 \*  
W4XP Bull Run Mt " 144.990

This system is sponsored by the Potomac Valley DX Spotting Network except "\*" are independently funded by each SYSOP.

PVRC on Internet.

PVRC web site by K3SA:

<http://www.pvrc.org>

PVRC/NC web site by KS4XG

<http://www.pagesz.net/~pvrcnc>

PVRC reflector: (editor N4AF)

Get latest scores & activities info here

To post: [\[email protected\]](mailto:[email protected])

To join\* send email to:

[\[email protected\]](mailto:[email protected])

Text: SUBSCRIBE PVRC

\*Members only. If your call is not within your URL, then send msg to [\[email protected\]](mailto:[email protected]).

PVRC dues and ARRL renewals: The annual dues are by donation - hopefully at least \$10. Club gets a cut from ARRL renewals sent via PVRC. Both dues and renewal checks should be made to PVRC and sent to Dave Baugher, WR3L, 615 Rockway Beach Av, Baltimore, MD 21221. Thank you.

Newsletter & Autocall column Editor: Dick Wilder, K3DI, 913 Shore Acres Rd, Arnold, MD 21012-1724. Voice 410-757-6706, FAX/modem 410-757-6720, Dxcluster packet, and [\[email protected\]](mailto:[email protected]). The Newsletter deadline varies around the 20th of the prior month. The FAR deadline is 65 days prior to the issue date.

CENTRAL: The Central Meeting is always the second Monday (except June, July, and August) at 7:30 pm. The central meeting generally alternates between MD and VA locations. A pre-meeting dinner is usually held between 5:00 and 6:30 pm. Check via 147- repeater.

VA LOCATION: The Patrick Henry (Public) Library, Route 123, Vienna, VA. Pre-meeting dinner at Outback, Old Branch Ave.

MD LOCATION: Church of the Nativity (Episcopal), Route 5, Temple Hills, MD. Pre-meeting dinner at Topolino's.

NORTHWEST: Greg Altig 410-775-7313 [\[email protected\]](mailto:[email protected]). Meets at 7:30 pm on the third Tuesday every month at Tully's Grill, 1080 W.

Patrick St, Frederick, MD. Same center as Shoppers Food Warehouse. Essentially includes WEST VIRGINIA area.

NORTH CAROLINA: Chair: Guy Olinger, K2AV; Sec: Pete Soper, KS4XG, [\[email protected\]](mailto:[email protected]), hm: 919-362-4635, wk: 919-481-6874. Activites: Jim Stevens, K4MA. POC is K4MA & KS4XG. Howie Hoyt, N4AF, [\[email protected\]](mailto:[email protected]) is PVRC reflector editor. PVRC/NC meets at 6:00 pm the first Thursday of every month at Ryan's Family Steakhouse at Crossroads in Cary.

TIDEWATER (VA) COLONY OF PVRC:

Don Lynch W4ZYT 757-486-0728 [\[email protected\]](mailto:[email protected]). Meetings the 3rd Tuesday of every month are held jointly with the VA DXCC at The Golden Corral corner of Battlefield Blvd South and Volvo Pkwy in Chesapeake, VA. Easy access from I-64 at Rte 168 (Battlefield Blvd S) exit. Dinner at 1830 and meeting at 1925.

SOUTHWEST VA CHAPTER: Coordinator: John Mitchell, K4IQ, Catawba, VA 540-384-7377, [\[email protected\]](mailto:[email protected]). Monthly meetings alternate between Roanoke area locations

THE BWI REGIONAL/PVRC: Weekly breakfast Wed at 7:30 AM at Basil's Deli Port on Elkrdige Landing Rd 1/4 mile South of Winterson Road 410-850-4333. Director: Ike Lawton, W3IKE, 410-263-2830. Secretary: Howard Leake, W6AXX, 410-465-7008, [\[email protected\]](mailto:[email protected]).

OVER-THE-HILL LUNCH BUNCH: Rotating hosts announces meeting info. Ben Shaver, AA4XU, 703-534-4740; Andy Anderson, W3XE, 301-384-7771, [\[email protected\]](mailto:[email protected]), Holiday Inn, College Park MD; and Bill Leavitt, W3AZ, 301-292-5797, Ramada Inn, Oxon Hill

PENNSYLVANIA: Steve Cutshall, K3TZV, [\[email protected\]](mailto:[email protected]), 717-763-0462.

RAPPAHANNOCK: Steve Bookout, NR4M (ex-NJ4F) [\[email protected\]](mailto:[email protected]). Also, Larry Schimelpfenig, K7SV, [\[email protected\]](mailto:[email protected]).

WOODBRIDGE: Jack O'Mara W4NF, [\[email protected\]](mailto:[email protected]) 703-680-4106 and Cliff Deel W4CE, [\[email protected\]](mailto:[email protected]) 703-491-0841

CENTRAL VA: Bob Morris, W4MYA 804-457-9011 [\[email protected\]](mailto:[email protected]). CVCC/PVRC monthly meetings are held the 2nd Tuesday at the First Mennonite Church on Staples Mill Rd at 7:30 PM. Optional 6PM-ish dinner at the Crazy Greek Rest, Staples Mill Rd. Talk-in is 145.430 MHz.

SOUTHERN MD: Chair: Barry Shapiro, WR3Z. H:301-862-2466 [\[email protected\]](mailto:[email protected]). Usually on the first Monday of Sep, Dec, Mar, and May at N1WR's.

EASTERN-SHORE (DEL-MAR-VA): Dallas Carter, W3PP 302-875-0550  
[\[email protected\]](mailto:[email protected]).

SHENANDOAH: Bill Hinkle KB3AUG [\[email protected\]](mailto:[email protected]) 304-567-3138

NORTHEAST: WR3L See info above.

ANNAPOLIS CREW: K3DI. See editor info.

OTHER MEETINGS based on prior year(s):

May. Meeting at Dayton Hamvention  
Jun. W3LPL open house Sat before Field Day.  
With joint FRC/PVRC meeting on alternate years.  
(2001, 2003, ...)  
summer. When joint FRC/PVRC is at FRC, they announce the date.  
Jul. PVRC/NC cook out  
Jul. Open house, W4MYA, Goochland,  
Aug. NCDXA/PVRC Fowlfest at W3Y0Z  
Aug. VHF++ meeting/workshop at ND3F  
Sep. PVRC meeting at the FARfest Bowie  
Sep. Open house, WR3L, Baltimore  
Dec. Christmas dinner, DC area.

5 MILLION (CLUB COMPETITION) AWARD

Month and number of the full week end.

Jan 3	ARRL VHF Sweepstakes
Jan Last	CQWW 160m CW
Feb 3	ARRL DX CW
Feb Last	CQWW 160m SSB
Mar 1	ARRL DX SSB
Mar Last	CQWW WPX SSB
May Last	CQWW WPX CW
Sep 2	ARRL VHF QSO Party
Oct Last	CQWW DX SSB
Nov 1	ARRL Sweepstakes CW
Nov 3	ARRL Sweepstakes SSB
Nov Last	CQWW DX CW
Dec 1	ARRL 160m CW
Dec 2	ARRL 10m Mixed

Standings at <http://jctc.org/pvrc5m.htm>

Roster updates at: <http://www.pvrc.org/pvrcm98.htm>

A FREE (SHAREWARE) COPY OF CT 6.26 (with updated files) is available from K3DI.